

In re Application of:
Rheins and Morhenn
Application No.: 09/375,609
Filed: August, 17, 1999
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PATENT
Attorney Docket No.: DERM1100-1

In the Claims

Please enter rewritten claims 92, 94, 102, 128, and 134 as follows:

92. (Amended) The method of claim 64, further comprising applying the sample to a DNA array.

94. (Amended) The method of claim 64, further comprising applying the cellular material sample to a DNA array.

102. (Amended) The method of claim 95, further comprising applying the nucleic acid, or complementary equivalent, to a DNA array.

128. (Amended) The method of claim 104, further comprising applying the sample to a DNA array.

134. (Amended) The method of claim 130, further comprising applying the nucleic acid to a DNA array.

Please add the following claims:

--149. A non-invasive method for determining an RNA expression profile in a skin sample, the method comprising:

(a) applying at least one application of an adhesive to a sample site on the skin and removing the adhesive from the skin in a manner such that the skin nucleic acid profile after application is not affected for up to about two hours, and such that a sample comprising a ribonucleic acid (RNA) adheres to the adhesive after its removal, or, scraping the skin with an instrument to remove a sample comprising RNA from the skin, thereby obtaining a skin sample comprising RNA; and

(b) isolating or detecting RNA from the skin sample of step (a) for determining the RNA expression profile in the skin sample.

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150. The method of claim 149, wherein the skin sample is isolated by applying the adhesive surface to the sample site of the skin between one and twenty five times to obtain the skin sample.

151. The method of claim 149, wherein the RNA is mRNA.

152. The method of claim 149, wherein steps a) and b) are performed repeatedly over time to identify changes in the expression pattern at the sample site.

153. The method of claim 149, wherein the RNA isolated or detected comprises RNA encoding a cytokine.

154. The method of claim 149, wherein RNA is detected by probing RNA of the sample with a polynucleotide complementary to a sequence of interest.

155. The method of claim 149, wherein RNA is detected using a DNA array.--